

METHOD OF REGENERATING FILTER MEDIA IN A FILTER

Abstract

First, water in a filter is drained to a low level, and the remaining water is adjusted to an alkaline condition so as to break up the flocs in the filter media. Then, a pneumatic rinsing process is performed, by introducing air from the bottom of the filter for shaking the filter media, so as to loosen the flocs. After that, a reverse rinsing process is performed, by providing water from the bottom of the filter, so that small flocs, having a relatively small specific gravity, float up to be removed. Finally, a sterilizing process is performed upon the filter media, and the impurities remaining in the filter media are cleaned up to ensure the quality of water to be filtered.